

Application No.: 10/565,534  
Amdt. Dated June 10, 2008  
Reply to Office Action of March 11, 2008

Amendments to the Specification:

Please replace the abstract with the following amended abstract:

~~This invention of the A position/force control device intends to improve response performance in a high frequency band and to ensure realization of a delicate work. A includes position detector detectors is provided each on a master 1 side and on a slave 3 side, respectively, and. Reaction reaction force estimation observers 2 and 4 estimate reaction force undergone by the operation part of the master side and reaction force undergone by the object of the slave side based on the basis of outputs of the position detectors. The A position control part 5 generates acceleration signals  $a_{pm}$ ,  $a_{ps}$  for controlling positions on the master side and on the slave side on the basis of the position signals outputted by the position detectors of the master side and of the slave side. The operation force control part 6 generates acceleration signals  $a_{fm}$ ,  $a_{fs}$  for controlling forces applied to the master side and to the slave side based upon the outputs from reaction force estimation observers 2 and 4. The acceleration composition part 7 composes the two sets of acceleration signals  $a_{pm}$ ,  $a_{ps}$ , and  $a_{fm}$ ,  $a_{fs}$ , and outputs the driving signals for the master side and the slave side.~~